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CDM

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May 2, 1986

Mr. Curtis Ross
Director, Central Regional Laboratory
U.S. Environmental Protection Agency
536 South Clark St. (5SCRL)
Chicago, IL 60604

Project: Rem II - EPA Contract No. 68-01-6939

Document No.: 130-RI1-EP-CPBG-1

Subject: Special Pesticide Analysis for Residential Samples to be collected from the Skinner Landfill Site

Dear Mr. Ross:

Existing information on the residential wells in the area of the Skinner Landfill Site indicates the need for requesting special analyses from the CRL. This request is being made with the concurrence of the Site Manager, Mike Bort and the EPA Remedial Project Manager, Gene Wong.

The special services requested consist of analysis of 12 residential water samples for the compounds listed in Table I, using the GC/EC method and the GC/MS method. It is requested that all the compounds be analyzed initially by GC/EC. Any samples where compounds are found in quantities greater than the requested detection limit for the GC/MS method, should then be analyzed using GC/MS.

It is our understanding that these procedures are not standard for some of the compounds and some of the analyses may not be feasible. Any input that you can provide us as to the feasibility of our requests, will be greatly appreciated.

The requested date for submission of these samples for analysis is May 19, 1986. The QC level of effort should conform to the requirements in Table II. In addition, it is requested that the following compounds be added to the calibration standards and used for spiking the matrix spike duplicate in both methods of analysis:

Hexachloronorboradiene
Octachlorocyclopentene
Heptachloronorborene
Chlordene

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These samples are also being analyzed for volatile organics, base/neutral/acid compounds, pesticide/PCB's, ICP metals, mercury, cyanide, furnace metals, alkalinity, chloride, sulfate, ammonia and nitrate-nitrite by the methods specified in the QAPP.

If you have any questions, please call me.

Very truly yours,

Wendy T. Dewar
Sampling and Analytical Coordinator

WTD/bcz

Enclosures

cc: Gene Wong, EPA
Mike Bort, Weston
Evonne Flynn, CRL
Jun Yoshitani, CDM
Steve Parker, QC - CRL
Dennis Wesolowski, CPM - CRL

TABLE I

Compound	Requested Detection Limit for GC/FC ugle	Requested Detection Limit for GC/MS ugle
*Hexachlorobenzene	.05	1.5
*Hexachlorocyclopentadiene	.1	2.0
Hexachlorobutadiene	.05	1.0
Hexachloronorboradiene	.05	1.0
Octachlorocyclopentene	.05	1.0
Heptachloronorborene	.05	1.0
Chlordene	.05	1.0

*Compounds currently analyzed for by CRL in the Acid/Base/Neutral fraction.

TABLE II

QC LEVEL OF EFFORT FOR CRL ANALYTICAL SERVICES

Method of Analysis	Lab Blanks	Spikes or Surrogates/Spikes	Lab Duplicates	Matrix Spike Duplicate
GC/MS	One per set of samples or a minimum of 1 in 10	Surrogates added to each sample and matrix spikes added to one sample per set	NR	One per set of samples or a minimum of 1 in 10
GC/EC	One per set of samples or a minimum of 1 in 10	One spike per set of samples or a minimum of 1 in 10	One per set of samples or a minimum of 10	One per set of samples or a minimum of 1 in 10